

In the claims

Please amend the claims as follows:

1. (currently amended) A Drug release system, comprising a shape memory material (SMP-material) and at least one drug.
2. (currently amended) The Drug release system according to claim 1, wherein the SMP-material has one or more shapes in memory.
3. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the SMP-material is ~~biostable or~~ biodegradable.
4. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the shape memory effect is used ~~for the variation of~~ to vary the drug release rate.
5. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the ~~shape memory effect is employed for the minimal invasive implantation of~~ a drug release system is a minimally invasive implantable device.
6. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the shape memory effect is triggered by a change in temperature, light, or a combination thereof.
7. (currently amended) The Drug release system of ~~any of the preceding claims~~ claim 1, wherein the drug release system ~~is~~ comprises a matrix system, wherein ~~said the~~ at least one drug is dispersed within the matrix.

8. (original) Drug release system according to claim 7 , wherein the drug release system displays a change of the drug release rate after triggering of the shape memory effect.
9. (currently amended) The Drug release system according to ~~any of claims~~ claim 7 or 8, wherein the SMP-material comprises units, derived from monomers selected from the group consisting of caprolactone, lactide, glycolide and dioxanone.
10. (currently amended) The Drug release ~~systems~~ system according to ~~any of claims~~ claim 7 to 10, wherein the drug release system comprises a coating, for modification of the release properties ~~and/or~~ tissue compatability.
11. (currently amended) The Drug release system according to claim 7, wherein the drug release system is ~~present in a laminate form~~, comprising at least one drug containing film made from a SMP-material, ~~wherein this film is laminated on both surfaces with films not containing a drug.~~
12. (currently amended) The Drug release system according to ~~any of claims~~ claim 1 to 3, wherein the drug release system comprises a reservoir of drug and a coating ~~and/or~~ membrane made from a SMP-material.
13. (original) Drug release system according to claim 12, wherein the SMP-material, after triggering of the shape memory effect, controls the rate of release of the drug.
14. (currently amended) The Drug release system according to ~~any of claims~~ claim 1 to 3, wherein the drug release system comprises a reservoir for the drug made from a SMP-material, and a coating ~~and/or~~ membrane.

15. (currently amended) The Drug release system according to claim 14, wherein the shape memory effect ~~is employed for inducing~~ induces a change in shape of the reservoir, leading to a variation of the permeability of the coating ~~and/or~~ membrane with respect to the drug.
16. (currently amended) The Drug release system according to ~~any of claims~~ claim 1 to 3, wherein the hydrolytic degradation of the shape memory material controls the drug release.
17. (cancelled).
18. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the drug release system is provided in the form of a coating on an implant.
19. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1 wherein the drug release system is present in the form selected from the group consisting of nano-particles, micro-particles, films, threads, and compositions for transdermal drug administration.
20. (currently amended) Method for preparing a drug release system ~~according to any of the preceding claims~~ comprising a shape memory material (SMP-material) and at least one drug, comprising the dissolution of dissolving a drug in a suitable solvent, introducing a shape memory ~~networks~~ network into the solution, ~~and swelling of the network in the presence of the drug~~ solution and withdrawing the swollen network from the solution.
21. (currently amended) The Method for the preparation of a drug release system according to ~~any of the preceding claims~~ claim 20, comprising the crosslinking ~~of~~ prepolymers in the presence of a drug.

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22. (currently amended) The Method according to claim 21, wherein the drug is dissolved or dispersed in the mixture to be crosslinked.
23. (cancelled).